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2 This listing of claims will replace all prior versions, and listings, of claims  
3 in the application:  
4

5 **Listing of Claims**  
6

7 Claim 1 (Original): One or more computer readable media containing one  
8 or more operating system programs, said one or more programs comprising  
9 computer-readable instructions for performing a process comprising:

10 interacting with a user to manage computer resources, including graphically  
11 browsing different computer resource areas that contain resources managed by the  
12 operating system;

13 representing resources within the resource areas as icons, the resources  
14 being physically moveable to and from at least some of the resource areas by  
15 moving the icons;

16 at least one of the resource areas being a particular type of writable resource  
17 area to which resources can be written;

18 in response to browsing said at least one of the resource areas, defining a  
19 graphical staging area into which a user may move icons representing resources  
20 that are to be written to said at least one of the resource areas;

21 delaying any writing of the resources represented in the staging area until  
22 detecting a user attempt to remove a storage medium from said at least one of the  
23 resource areas;

24 in response to detecting the user attempt to remove the storage medium,  
25 identifying resources represented by the icons in the staging area and writing such  
identified resources to the storage medium.

1 Claim 2 (Original): One or more computer readable media as recited in  
2 claim 1, the programs further comprising:

3 prior to interacting with the user, pre-allocating a contiguous portion of  
4 mass storage for future use when writing identified resources to the storage  
5 medium, wherein the pre-allocated portion is large enough to create a data image  
6 that is to be created on the storage medium;

7 prior to writing the staged resources to the storage medium, creating a data  
8 image in the pre-allocated portion of mass storage;

9 wherein writing the identified resources comprises writing the data image to  
10 the storage medium.

11 Claim 3 (Original): One or more computer readable media as recited in  
12 claim 1, the programs further comprising, upon writing the identified resources,  
13 writing additional resources not specifically designated by the user for use in  
14 conjunction with the identified resources after they are written.

15 Claim 4 (Original): One or more computer readable media as recited in  
16 claim 1, the programs further comprising, upon writing the identified resources:

17 automatically identifying a viewer program that is compatible with one or  
18 more of the identified resources;

19 writing the viewer program to the storage medium for use in conjunction  
20 with the identified resources after they are written.

21 Claim 5 (Original): One or more computer readable media as recited in  
22 claim 1, the programs further comprising altering the icons in the staging area to  
23 indicate status of the staged resources.  
24  
25

1 Claim 6 (Previously presented): One or more computer readable media as  
2 recited in claim 1, the programs further comprising altering the icons in the staging  
3 area with status overlays to indicate status of the staged resources.

4 Claim 7 (Original): One or more computer readable media as recited in  
5 claim 1, the programs further comprising altering the icons in the staging area with  
6 status overlays to indicate status of the staged resources, the status overlays  
7 including a staged status overlay and an in-process status overlay.

8 Claim 8 (Original): One or more computer readable media as recited in  
9 claim 1, the programs further comprising defining a contextually sensitive  
10 command area and displaying a delete resource command option in the  
11 contextually sensitive command area if and only if the particular type of writable  
12 resource area is rewritable.

13 Claim 9 (Original): One or more computer readable media as recited in  
14 claim 1, wherein designating a resource for representation in the graphical staging  
15 area creates a reference to said designated resource rather than a copy of said  
16 designated resource, the programs further comprising dereferencing said reference  
17 during writing to write a current version of the designated resource, including any  
18 changes to the designated resource subsequent to designating it and prior to writing  
19 it.

20 Claim 10 (Cancelled)

21 Claim 11 (Original): One or more computer readable media as recited in  
22 claim 1, the programs further comprising:

23 determining whether any changes are made to the identified resources prior  
24 to writing them;  
25

1 if a change is made to a particular identified resource prior to writing,  
2 creating an unchanged copy of the particular identified resource;

3 writing the unchanged copy to the storage medium in place of the particular  
4 identified resource, wherein the unchanged copy does not include changes to the  
5 particular identified resource subsequent to designating it and prior to writing it.

6 Claim 12 (Currently amended): A method comprising:  
7 managing a plurality of computer resources by an operating system;  
8 dynamically accepting designations from a computer user of the plurality of  
9 computer resources to be written to a removable storage medium;  
10 graphically representing the resources to be written on a separate area from  
11 files that have been written to the storage medium;  
12 detecting an attempt to remove the storage medium;  
13 in response to detecting a user attempt to remove the storage medium, batch  
14 writing the designated resources to the storage medium.

15 Claim 13 (Previously presented): A method as recited in claim 12, wherein  
16 the batch writing is performed before removing the storage medium.

17 Claim 14 (Original): A method as recited in claim 12, further comprising,  
18 in response to detecting a user attempt to remove the storage medium, prompting  
19 the computer user to replace the storage medium prior to batch writing the  
20 designated resources to the storage medium.

21 Claim 15 (Original): A method as recited in claim 12, further comprising,  
22 upon writing the identified resources, writing additional resources not specifically  
23 designated by the user for use in conjunction with the identified resources after  
24 they are written.  
25

1           Claim 16 (Original): A method as recited in claim 12, further comprising,  
2 upon writing the identified resources:

3           automatically identifying a viewer program that is compatible with one or  
4 more of the identified resources;

5           writing the viewer program to the storage medium for use in conjunction  
6 with the identified resources after they are written.

7  
8           Claim 17 (Previously presented): A graphical user interface for a computer,  
9 comprising:

10          an operating system that interacts with a user to manage computer  
11 resources;

12          the operating system having a resource browser that is responsive to user  
13 input to explore resource areas containing different types of resources and to  
14 display icons that represent the resources, at least some of the resources being  
15 physically moveable to and from the resource areas by moving their corresponding  
16 icons;

17          at least one of the resource areas being a staged-write resource area;

18          the resource browser being configured to define a stored resource display  
19 area and a staged resource display area, the stored resource display area showing  
20 icons of resources that are already stored in a writable resource associated with the  
21 staged-write resource area, the staged resource display area showing icons of  
22 staged resources that the user desires to be written to said writable resource but  
23 that have not yet been written to said writable resource.

24           Claim 18 (Original): A graphical user interface as recited in claim 17, the  
25 resource browser being further configured to commence writing the staged  
resources to the writable resource area upon detecting attempted removal of a

storage medium corresponding to the writable resource area.

Claim 19 (Previously presented): A graphical user interface as recited in claim 17, wherein:

the resource browser is further configured, upon writing the staged resources, to write additional resources to said writable resource that are not specifically designated by the user for use in conjunction with the staged resources after they are written.

Claim 20 (Original): A graphical user interface as recited in 17, further comprising, upon writing the staged resources:

automatically identifying a viewer program that is compatible with one or more of the staged resources;

writing the viewer program to the storage medium for use in conjunction with the staged resources after they are written.

Claim 21 (Original): A graphical user interface as recited in claim 17, wherein the resource browser alters the icons to indicate the status of the staged resources.

Claim 22 (Original): A graphical user interface as recited in claim 17, wherein:

some of the icons have status overlays corresponding to a staged status and an in-process status.

Claim 23 (Previously presented): A graphical user interface as recited in claim 17, further comprising a contextually sensitive command area, wherein the resource browser includes a delete resource command in the contextually sensitive

command area if and only if the particular type of writable resource is rewritable.

Claim 24 (Original): A graphical user interface as recited in claim 17, wherein designating a resource for representation in the staged resource display area creates a reference to said designated resource rather than a copy of said designated resource, said reference being dereferenced during writing to write a current version of the designated resource, including any changes to the designated resource subsequent to designating it and prior to writing it.

Claim 25 (Previously presented): A graphical user interface as recited in claim 17, wherein:

prior to interacting with the user, the operating system pre-allocates a contiguous portion of mass storage for future use when writing identified resources to the writable resource area, wherein the pre-allocated portion is large enough to create a data image that is to be created on the writable resource area;

prior to writing the staged resources to said writable resource, creating a data image in the pre-allocated portion of mass storage.

Claim 26 (Previously presented): A graphical user interface as recited in claim 17, wherein the operating system monitors staged resources for changes and creates an unchanged copy of any changed staged resource for subsequent writing to said writable resource in place of the changed staged resource.

Claim 27 (Previously presented): A graphical user interface for a computer, comprising:

an operating system that interacts with a user to manage computer resources;

the operating system having a resource browser that is responsive to user

1 input to explore resource areas containing different types of resources and to  
2 display icons that represent the resources, at least some of the resources being  
3 physically moveable to and from the resource areas by moving their corresponding  
4 icons;

5 at least one of the resource areas being a staged-write resource area;

6 the resource browser being configured to display icons of stored resources  
7 that are already stored in the staged-write resource area and icons of staged  
8 resources that the user desires to be written to the staged-write resource area but  
9 that have not yet been written to said staged-write resource area;

10 wherein the resource browser shows different representations of the  
11 resources depending upon whether they are stored resources or staged resources;

12 the resource browser being responsive to a user action to initiate a batch  
13 write of the staged resources to the staged-write resource area.

14 Claim 28 (Original): A graphical user interface as recited in claim 27,  
15 wherein the user action comprises attempting to remove a storage medium  
16 corresponding to the staged-write resource area.

17 Claim 29 (Original): A graphical user interface as recited in claim 27,  
18 wherein:

19 the resource browser is further configured, upon writing the staged  
20 resources, to write additional resources not specifically designated by the user for  
21 use in conjunction with the staged resources after they are written.

22 Claim 30 (Original): A graphical user interface as recited in claim 27,  
23 further comprising, upon writing the staged resources:

24 automatically identifying a viewer program that is compatible with one or  
25 more of the staged resources;



1 writing the viewer program to the storage medium for use in conjunction  
2 with the staged resources after they are written.

3 Claim 31 (Previously presented): A graphical user interface as recited in  
4 claim 27, further comprising a contextually sensitive command menu, the menu  
5 including a delete resource command if and only if the particular type of staged-  
6 write resource area is rewritable.

7  
8 Claim 32 (Original): A graphical user interface as recited in claim 27,  
9 wherein designating a resource for staging creates a reference to said designated  
10 resource rather than a copy of said designated resource, said reference being  
11 dereferenced during writing to write a current version of the designated resource,  
12 including any changes to the designated resource subsequent to designating it and  
13 prior to writing it.

14 Claim 33 (Previously presented): A graphical user interface as recited in  
15 claim 27, wherein:

16 prior to interacting with a user to manage computer resources, the operating  
17 system pre-allocates a contiguous portion of mass storage for future use, wherein  
18 the pre-allocated portion is large enough to create a data image that is to be created  
19 on the staged-write resource area;

20 prior to writing the staged resources to the staged-write resource area,  
21 creating a data image in the pre-allocated portion of mass storage.

22 Claim 34 (Original): A graphical user interface as recited in claim 27,  
23 wherein:

24 designating a resource for staging creates a reference to said designated  
25 resource rather than a copy of said designated resource;

1 in response to any subsequent change to the designated resource the  
2 operating system creates an unchanged copy of the designated resource, said  
3 reference being changed to indicated the unchanged copy;

4 said reference being dereferenced during writing to write the designated  
5 resource or its unchanged copy.

6 Claim 35 (Previously presented): One or more computer readable media  
7 containing an operating system program, the operating system program  
8 comprising:

9 accepting designations of different resources managed by the operating  
10 system by a user for staging prior to writing to a removable storage medium;

11 graphically representing any resources that are already stored on the  
12 removable storage medium and any resources that are staged but not written to the  
13 removable storage medium;

14 detecting a user attempt to remove the removable storage media;

15 in response to detecting the user attempt to remove the removable storage  
16 media, writing any staged resources to the removable storage media.

17 Claim 36 (Original): One or more computer readable media as recited in  
18 claim 35, the program further comprising, upon writing the staged resources,  
19 writing additional resources not specifically designated by a user, for use in  
20 conjunction with the staged resources after they are written.

21 Claim 37 (Original): One or more computer readable media as recited in  
22 claim 35, the program further comprising altering representations of the resources  
23 to indicate the status of the staged resources.

24 Claim 38 (Previously presented): One or more computer readable media as  
25

1 recited in claim 35, the program further comprising displaying a delete resource  
2 command in a contextually sensitive command menu if and only if a particular  
3 type of writable resource area of the removable storage media is rewritable.

4 Claim 39 (Original): One or more computer readable media as recited in  
5 claim 35, the program further comprising:

6 for any staged resource that is changed prior to writing, creating an  
7 unchanged copy of the staged resource;  
8 writing the unchanged copy in place of the changed staged resource.

9 Claim 40 (Original): One or more computer readable media as recited in  
10 claim 35, further comprising:

11 prior to accepting designations by users, pre-allocating a contiguous portion  
12 of mass storage for use when writing staged resources, wherein the pre-allocated  
13 portion is large enough to create an image of data to be written to the removable  
14 storage medium;

15 prior to writing the staged resources to the removable storage media,  
16 creating a write image in the pre-allocated portion of mass storage;

17 wherein writing the staged resources comprises writing the write image to  
18 the removable storage medium.

19 Claim 41 (Currently amended): An operating system embodied on one or  
20 more computer readable media, the operating system performing actions  
21 comprising:

22 saving resources managed by the operating system in response to requests  
23 from application programs;

24 in response to receiving a request from an application program to save a  
25 resource on a staged-write storage medium, noting that resource as being staged

without writing the resource;

in response to a user initiation, writing any staged resources to the storage medium.

Claim 42 (Original): An operating system as recited in claim 41, wherein the user initiation comprises attempting to remove the storage medium.

Claim 43 (Original): An operating system as recited in claim 41, the actions further comprising, upon writing the staged resources, writing additional resources not specifically designated by a user, for use in conjunction with the staged resources after they are written.

Claim 44 (Original): An operating system as recited in claim 41, the actions further comprising:

for any staged resource that is changed prior to writing, creating an unchanged copy of the staged resource;

writing the unchanged copy in place of the changed staged resource.

Claim 45 (Original): An operating system as recited in claim 41, further comprising:

prior to receiving requests from application programs, pre-allocating a contiguous portion of mass storage for use when writing staged resources to the storage media, wherein the pre-allocated portion is large enough to create an image of data to be written to the storage medium;

prior to writing the staged resources to the storage media, creating a write image in the pre-allocated portion of mass storage;

wherein writing the staged resources comprises writing the write image to the storage medium.

1           Claim 46 (Previously presented): One or more computer readable media  
2 containing an operating system program, the operating system program  
3 comprising:

4           accepting designations of different resources managed by the operating  
5 system for staging prior to writing to a removable storage medium;

6           identifying in a staged-write resource area resources to be written, and in a  
7 separate stored resource area resources that have been written;

8           storing corresponding references to the designated resources;

9           for any designated resource that is changed prior to writing, creating an  
10 unchanged copy of the staged resource and changing the corresponding reference  
11 to indicate the unchanged copy;

12           in response to an instruction to write to the removable storage medium,  
13 writing any designated resources and any unchanged copies indicated by the stored  
14 references.

15           Claim 47 (Original): One or more computer readable media as recited in  
16 claim 46, the program further comprising:

17           prior to receiving designations of different resources, pre-allocating a  
18 contiguous portion of mass storage for use when writing staged resources to the  
19 removable storage media, wherein the pre-allocated portion is large enough to  
20 create an image of data to be written to the removable storage medium;

21           prior to writing the resources to the storage media, creating a write image in  
22 the pre-allocated portion of mass storage;

23           wherein writing the staged resources comprises writing the write image to  
24 the storage medium.  
25